



**CITY OF KNOXVILLE**  
 OFFICE OF THE PURCHASING AGENT  
 P.O. BOX 1631  
 400 MAIN ST., ROOM 667  
 KNOXVILLE, TN 37901

**SEALED BID**

**THIS IS NOT AN ORDER**

DATE: 09/29/2017 PAGE 1 Of 1

DOCUMENT NUMBER: **467664**

READ ALL INSTRUCTIONS AND CONDITIONS ON ATTACHED PAGES BEFORE BIDDING. BID ON THIS FORM ONLY. BID PRICE ON ITEMS LISTED OR EQUAL. NO BID RECEIVED AFTER CLOSING HOUR WILL BE ACCEPTED.

**\*\*ALL PRICES TO INCLUDE TRANSPORTATION CHARGES & NET TERMS UNLESS STATED OTHERWISE \*\***

Merchandise to be delivered to : See delivery instructions

BID will be received at: Office of the Purchasing Agent, Room 667, 400 Main St., Knoxville, TN 37902, until 10/13/2017 11:00:00 AM

ENVELOPE TO BE SEALED AND MARKED: **SERVICE TRUCK**

**Special Instructions:**  
 The heavy duty service truck will be delivered to 1400 Loraine Street, Knoxville, TN 37921. Direct all questions to jtucker@knoxvilletn.gov.

No.	Quantity	Description	Brand	Unit	Unit Price	Total	Applicable Discount
1	1 Each	One (1) Heavy Equipment Service Truck, per attached bid specifications.					

**IMPORTANT - State Merchandise**

Delivery Date Here: \_\_\_\_\_

Buyer Name: Tucker, James  
 Phone: 865-215-2064  
 Fax: (865) 215-2277  
 Email: jtucker@knoxvilletn.gov

\_\_\_\_\_  
 (Company Name)

\_\_\_\_\_  
 (Authorized Signature)

\_\_\_\_\_  
 (Print Signed Name)

\_\_\_\_\_  
 (Phone Number)

\_\_\_\_\_  
 (Email Address)

**CITY OF KNOXVILLE  
INVITATION TO BID**

**SERVICE TRUCK**

Sealed bids, invited by the City of Knoxville, will be received by the Purchasing Agent of the City of Knoxville, in Room 667-674, City County Building; 400 Main Avenue; Knoxville, Tennessee, until 11:00:00 a.m. (Eastern Time) on October 13, 2017, at which time they will be opened and publicly read aloud and a contract awarded as soon thereafter as practicable.

**BID SUBMISSION REQUIREMENTS**

Bidders must furnish the following information in writing with their submission:

1. Bid Form showing bidder's name, address, quoted price, business license number, date of expiration of business license. A copy of the bidder's current business license may be submitted in lieu of providing the license expiration date.
2. Non-Collusion Affidavit
3. Iran Divestment Act Certification of Noninclusion
4. Option A or B from the Diversity Business Enterprise packet

**INVITATION TO BID - INSTRUCTIONS AND CONDITIONS**

1. Sealed bids will be received by the Purchasing Agent of the City of Knoxville in Room 667-674, City/County Building; 400 Main Avenue; Knoxville, Tennessee 37902 until October 13, **2017 at 11:00:00 a.m.**, at which time they will be publicly opened and read aloud and the contract awarded as soon as practicable. **No bid will be received or accepted after the above-specified time for the opening of bids.** Bids that arrive late due to the fault of U. S. Postal Service, United Parcel Service, DHL, FEDEX, any delivery/courier service, or any other carrier of any sort are still considered late and shall not be accepted by the City. Such bids shall remain unopened and will be returned to the submitting entity upon request.
2. The City of Knoxville reserves the right to reject any or all bids, to accept or reject any items thereon, to waive technicalities or informalities, to split orders if in the best interest of the City, to evaluate bids by various criteria, and to accept any bid which, in its opinion, may be for the best interest of the City.
3. Included in the Invitation to Bid is an affidavit in proof that the undersigned has not entered into any collusion with any person in respect to this bid or any other bid. The Bidder will be required to execute and submit this affidavit with the sealed bid.
4. Each bid must be submitted in a sealed envelope, addressed to the Purchasing Agent, City of Knoxville, Room 667-674, City/County Building, 400 Main Street, Knoxville, Tennessee, 37902. Each sealed envelope containing a bid must be plainly marked on the outside as: "Service Truck."
5. **NO CONTACT POLICY:** After the posting of this solicitation to the Purchasing Division's website, any contact initiated by any proposer with any City of Knoxville representative concerning this proposal is strictly prohibited, unless such contact is made with the Purchasing Division representative listed

is strictly prohibited, unless such contact is made with the Purchasing Division representative listed herein or with said representative's authorization. Any unauthorized contact may cause the disqualification of the proposer from this procurement transaction.

6. **INCLEMENT WEATHER:** During periods of inclement weather, the Purchasing Division will enact the following procedures with regard to solicitations and weather delays:
  - If City offices are closed due to inclement weather on the date that bids/proposals/qualifications/letters of interest are due into the Purchasing Office, all solicitations due that same day will be moved to the next operational business day.
  - The City of Knoxville shall not be liable for any commercial carrier's decision regarding deliveries during inclement weather.
7. All bids must be made on the Bid Form supplied with the contract documents, and no interlineations, excisions, or special conditions shall be made or included in the Bid Evaluation Sheet by the Bidder. **Any bid on which there is an alteration of or departure from the Bid Form may be considered irregular and may be rejected.** All bids must be signed in full by the Bidder or Bidders in their business name or style when submitted and must show his or their complete address.
8. No bidder may withdraw his bid for a period of 60 days after the actual date of the opening thereof.
9. Prior to submitting their bids, bidders are to be registered with the Purchasing Division by setting up a Vendor Self-Service Account. Instructions for registering on-line are available at [www.knoxvilletn.gov/purchasing](http://www.knoxvilletn.gov/purchasing).
10. **Bid submissions from un-registered bidders may be rejected.**
11. Payment for completed services delivered to and accepted by the City shall be at the contract price.
12. State makes or brand on each item. If quoting on other than the make, model, or brand specified, the manufacturer's name and catalog number must be given, along with warranty information and detailed specifications. Because the City is committed to environmentally sound practices, brands are expected to be procured with environmental responsibility in mind.
13. Time of delivery is part of the consideration and must be stated in definite terms; time of delivery is guaranteed by the bidder and must be adhered to upon award. If time varies on different items, the bidder shall so state.
14. All quotations must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.
15. Samples of items, when required, must be furnished free of expense to the City and if not called for within fifteen (15) days from the date of bid opening, same will be disposed of in a manner deemed to be in the best interest of the City. Items shipped as a result of an Agreement to purchase (Purchase Order) must match the sample provided with Vendor's bid submission. The City of Knoxville will be the sole judge as to whether or not the shipped items match said supplied sample, and the City's decision will be final. Should shipped items not, in the City's judgment, be as represented by the sample provided, Vendor shall pay the City in full for all costs associated with returning shipped items to the Vendor. No restocking fee or other fees will be assessed against the City of Knoxville.
16. Bidders shall verify bids before submission, as bids cannot be withdrawn or corrected after being opened. Bids will be evaluated by unit price.

17. If federal excise tax applies, show amount of same and deduct. Bear in mind that the City is exempt from Tennessee sales tax.
18. Prices are considered FOB Knoxville unless otherwise stated in the Invitation to Bid.
19. By execution and delivery of a bid submission, the bidder agrees that any additional terms and conditions, whether submitted to the City purposely or inadvertently, shall have no force or effect.
20. Bidders must comply with the President's Executive Orders No. 11246 and 11375 which prohibit discrimination in employment regarding race, color, religion, sex or national origin. Bidders must not maintain or provide for their employees any facilities that are segregated on the basis of race, color, religion or national origin. Bidders must also comply with Title VI of the Civil Rights Act of 1964, Copeland Anti-Kick Back Act, the Contract Work Hours and Safety Standard Act, Section 402 of the Vietnam Veterans Adjustment Act of 1974 and Section 503 of the Rehabilitation Act of 1973, all of which are herein incorporated by reference.
21. All bidders must comply with Title VI of the Civil Rights Act of 1964, as codified in 42 U.S.C. 2000d. The successful bidder must follow Title VI guidelines in all areas including hiring practices, open facilities, insurance, and wages. The City of Knoxville reserves the right to review all compliance records by a contract compliance officer designated by the City.
22. No interpretation of the meaning of the plans, specifications, or other pre-bid documents will be made to any bidder orally. Each request for such interpretation should be in writing addressed to **James Tucker, Senior Buyer** for the City of Knoxville, 400 Main Street, Room 667, Knoxville, TN 37902, or emailed to him at [jtucker@knoxvilletn.gov](mailto:jtucker@knoxvilletn.gov). To be given consideration, such requests/questions must be received at least five (5) business days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be posted to the City's website at [www.knoxvilletn.gov/purchasing](http://www.knoxvilletn.gov/purchasing). Submitting organizations are strongly encouraged to view this website often to see if addenda are posted. Failure of any bidder to receive such addendum or interpretation shall not relieve such Bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the Contract Documents.
23. Attention of all bidders is directed to the set off provision contained in Article II, Section 24-33, entitled, "Debts owed by persons receiving payments other than salary", and Section 2-1049 entitled "Receipt of benefits from City contracts by council members, employees, and officers of the City" of the Code of the City of Knoxville.
24. Before a Purchase Order is issued, the submitting entity, if selected, **must** provide the City Purchasing Division with a copy of its valid business license **or** with an affidavit explaining why it is exempt from the business licensure requirements of the city or county in which it is headquartered. If a contract is signed, the contractor's business license shall be kept current throughout the duration of the contract, and the contractor shall inform the City of changes in its business name or location. Any Agreement to purchase resulting from this Invitation to Bid shall be governed by and construed in accordance with the substantive laws of the State of Tennessee and its conflict of laws provisions. Venue for any action arising between the City and the Vendor from the Agreement shall lie in Knox County, Tennessee.
25. In compliance with Tennessee state law, bids must be accompanied by a certification attesting that, to the best of the bidder's knowledge, the bidder does not engage in investment activities in Iran. The Iran Divestment Act of 2014 Certification of Non-inclusion form may be found in this solicitation

document.

26. By acceptance and delivery of the Purchase Order resulting from the award of this Invitation to Bid, the Vendor agrees to the following:

Contractor shall defend, indemnify and hold harmless the City, its officers, employees and agents from any and all liabilities which may accrue against the City, its officers, employees and agents or any third party for any and all lawsuits, claims, demands, losses or damages alleged to have arisen from an act or omission of Contractor in performance of this Agreement or from Contractor's failure to perform this Agreement using ordinary care and skill, except where such injury, damage, or loss was caused by the sole negligence of the City, its agents or employees.

Contractor shall save, indemnify and hold the City harmless from the cost of the defense of any claim, demand, suit or cause of action made or brought against the City alleging liability referenced above, including, but not limited to, costs, fees, attorney fees, and other expenses of any kind whatsoever arising in connection with the defense of the City; and Contractor shall assume and take over the defense of the City in any such claim, demand, suit, or cause of action upon written notice and demand for same by the City. Contractor will have the right to defend the City with counsel of its choice that is satisfactory to the City, and the City will provide reasonable cooperation in the defense as Contractor may request. Contractor will not consent to the entry of any judgment or enter into any settlement with respect to an indemnified claim without the prior written consent of the City, such consent not to be unreasonably withheld or delayed. The City shall have the right to participate in the defense against the indemnified claims with counsel of its choice at its own expense.

Contractor shall save, indemnify and hold City harmless and pay judgments that shall be rendered in any such actions, suits, claims or demands against City alleging liability referenced above.

The indemnification and hold harmless provisions of this Agreement shall survive termination of the Agreement.

**CITY OF KNOXVILLE**

**BID FORM**

TO: Purchasing Agent  
City of Knoxville  
Suite 667-674  
City/County Building  
400 Main Street  
Knoxville, TN 37902

Having carefully examined the specifications for the "Service Truck" to open on October 13, 2017 at 11:00 a.m. and the other Contract Documents and addenda, we hereby propose to furnish the truck as specified:

Total (includes delivery): \$ \_\_\_\_\_

GUARANTEE of delivery no later than \_\_\_\_\_ days after receiving purchase order.  
(Bidder must initial) \_\_\_\_\_

Firm Name: \_\_\_\_\_

Official Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(By)

\_\_\_\_\_  
(Name Typed)

\_\_\_\_\_  
(Title)

Date \_\_\_\_\_

Terms \_\_\_\_\_

Email address \_\_\_\_\_

Telephone \_\_\_\_\_

**NON-COLLUSION AFFIDAVIT OF PRIME BIDDER**

State of \_\_\_\_\_

County of \_\_\_\_\_

\_\_\_\_\_, being first duly sworn, deposes and says that:

- (1) He is owner, partner, officer, representative, or agent of \_\_\_\_\_, the Bidder that has submitted the attached Bid;
- (2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
- (3) Such Bid is genuine and is not a collusive or sham Bid;
- (4) Neither the said Bid nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from proposing in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, firm, or person to fix any overhead, profit, or cost element of the bid price or the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Knoxville or any person interested in the proposed Contract; and
- (5) The price or prices quoted in that attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affidavit.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_.

My commission expires: \_\_\_\_\_

# IRAN DIVESTMENT ACT

## Certification of Noninclusion

**NOTICE:** Pursuant to the Iran Divestment Act, Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with the state of Tennessee; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. The State of Tennessee currently uses the State of South Carolina's list, available here:

[https://www.tn.gov/assets/entities/generalservices/cpo/attachments/List\\_of\\_persons\\_pursuant\\_to\\_Tenn. Code Ann. 12-12-106, Iran Divestment Act-July.pdf](https://www.tn.gov/assets/entities/generalservices/cpo/attachments/List_of_persons_pursuant_to_Tenn._Code_Ann._12-12-106,_Iran_Divestment_Act-July.pdf)

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to T.C.A. § 12-12-106.

Vendor Name (Printed)	Address
By (Authorized Signature)	Date Executed
Printed Name and Title of Person Signing	

**NOTARY PUBLIC:**

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2\_\_\_\_\_.

My commission expires: \_\_\_\_\_



# DIVERSITY BUSINESS ENTERPRISE (DBE) PROGRAM

The City of Knoxville strongly encourages prime contractors to employ diverse businesses in the fulfillment of contracts/projects for the City of Knoxville.

The City of Knoxville's Fiscal Year 2017 goal is to conduct 3.33% of its business with minority-owned businesses, 9.21% of its business with women-owned businesses, and 45.5% with small businesses.

While the City cannot engage (pursuant to state law), in preferential bidding practices, the city does **strongly encourage** prime contractors to seek out and hire diverse businesses in order to help the city meet its goals as stated above. As such, the City encourages prime contractors to seek out and consider competitive sub-bids and quotations from diverse businesses.

For DBE tracking purposes, the City requests that prime contractors who are bidding, proposing, or submitting statements of qualifications record whether or not they plan to employ DBE's as sub-contractors or consultants. With that in mind, please fill out, sign and submit (with your bid/proposal) the following sub-contractor/consultant statement.

**Subcontractor/Consultant Statement**  
(TO BE SUBMITTED IN THE BID/PROPOSAL ENVELOPE)

We \_\_\_\_\_ do certify that on the  
(Bidder/Proposer Company Name)

\_\_\_\_\_ (Project Name)

( \$ \_\_\_\_\_ )  
(Amount of Bid)

**Please select one:**

**Option A: Intent to subcontract using Diverse Businesses**

A Diversity business will be employed as subcontractor(s), vendor(s), supplier(s), or professional service(s). The estimated **dollar value** of the amount that we plan to pay is:

\$ \_\_\_\_\_  
Estimated Amount of Subcontracted Service

<b>Diversity Business Enterprise Utilization</b>			
Description of Work/Project	Amount	Diverse Classification (MOB, WOB, SB, SDOV)	Name of Diverse Business

**Option B: Intent to perform work "without" using Diverse Businesses**

We hereby certify that it is our intent to perform 100 % of the work required for the contract, work will be completed without subcontracting, or we plan to subcontract with non-Diverse companies.

DATE: \_\_\_\_\_ COMPANY NAME: \_\_\_\_\_

SUBMITTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(Authorized Representative)

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP CODE: \_\_\_\_\_

TELEPHONE NO: \_\_\_\_\_

## **CITY OF KNOXVILLE DIVERSITY BUSINESS DEFINITIONS**

Diversity Business Enterprise (DBE's) are minority-owned (MOB), women-owned (WOB), service-disabled veteran-owned (SDVO), and small businesses (SB), who are impeded from normal entry into the economic mainstream because of past practices of discrimination based on race or ethnic background. These persons must own at least 51% of the entity and operate or control the business on a daily basis.

Minority: A person who is a citizen or lawful admitted permanent resident of the United States and who is a member of one (1) of the following groups:

- a. African American, persons having origins in any of the Black racial groups of Africa;
- b. Hispanic American, persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race;
- c. Native American, persons who have origin in any of the original peoples of North America ;
- d. Asian American, person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands.

Minority-owned business (MOB) is a continuing, independent, for profit business that performs a commercially useful function, and is at least fifty-one percent (51%) owned and controlled by one (1) or more minority individuals.

Woman-owned business (WOB) is a continuing, independent, for profit business that performs a commercially useful function, and is at least fifty-one percent (51%) owned and controlled by one (1) or more women.

Service Disabled Veteran-owned business (SDOV) is a continuing, independent, for profit business that performs a commercially useful function, owned by any person who served honorably on active duty in the armed forces of the United States with at least a twenty percent (20%) disability that is service connected. Meaning such disability was incurred or aggravated in the line of duty in the active military, naval or air service, and is at least fifty-one percent (51%) owned and controlled by one (1) or more service disabled veteran.

Small Business (SB) is a continuing, independent, for profit business which performs a commercially useful function and has total gross receipts of not more than ten million dollars (\$10,000,000) average over a three-year period or employs no more than ninety-nine (99) persons on a full-time basis.

**City of Knoxville  
Fleet Services  
4WD Heavy Equipment Service Truck**

This specification describes a 4WD Heavy Equipment Service Truck with Crane to be delivered as a turn-key vehicle. All necessary equipment shall be furnished and delivered new, complete and ready for use. All parts not specifically mentioned but which are necessary for the complete unit shall be supplied and installed by the vendor even though such work or material are not specifically outlined and shall conform in strength, quality of material and workmanship to the best practice known to the Industry.

The bidder shall respond to each item listed in this specification in the space provided, indicating whether they meet or do not meet specification, and describe/clarify the proposed item or any deviation to the item. These pages are to be included in the Bid Response. **Bidder will be considered non-compliant if response is not on these specifications.**

\*Once winning bidder is determined, a mandatory pre-build meeting at City of Knoxville location will be required before build process may begin.

1. MINIMUM SPECIFICATIONS - STANDARD EQUIPMENT CHASSIS CAB

The below requirements are based on a 4WD Peterbuilt chassis model 337 and specify the minimum standards sought by the City of Knoxville. Bidders may bid an alternate chassis as long as the minimum standards are met or exceed. Any deviation from the specifications must be explained in detail.

Item Number	Description	Meet Specification?	Description/ Deviation
<b>Chassis</b>			
1.1	Front Axle Load (lbs):12000		
1.2	Rear Axle Load (lbs)23000		
1.3	G.C.W. (lbs):33000		
1.4	Length (ft) 20		
1.5	Height (ft) 13.5		
1.6	Wheelbase (in):190		
1.7	Overhang (in):74.79999		
1.8	Fr Axle to BOC (in):69.8		
1.9	Cab to Axle (in):120.2		
1.10	Cab to EOF (in):195.0		
1.11	Overall Comb. Length (in):303		
1.12	10-5/8in Steel Rails 286-325in 10.625 x 3.45 x .313 Dimension, 1,776,000 RBM; Yield Strength: 120,000 psi.		

**City of Knoxville  
Fleet Services  
4WD Heavy Equipment Service Truck**

Item Number	Description	Meet Specification?	Description/ Deviation
1.13	Three-Piece Crossmembers		
1.14	Marmon MT14 12,000lb Front Drive		
1.15	Taper Leaf Springs, Shocks 12,000 lb		
1.16	Power Steering Sheppard HD94 - Power Steering Reservoir Frame Mounted		
1.17	PHP10 Iron Non-LMS Hubs		
1.18	Bendix Air Cam Front Drum Brakes 16.5x5 Includes automatic slack adjusters & outboard mounted brake drums.		
1.19	Gusseted Cam Brackets, Steer Axle		
1.20	Rear Axle - Dana Spicer S23-170 23,000 lb		
1.21	PHP10 Iron LMS Hubs 11-1/4" bolt circle. Includes a supplier extended coverage up to 3 years / 350,000 miles for bearings & seals.		
1.22	Long Stroke Parking Brakes, Drive Axle(s)		
1.23	Diff Lock Rear-Rear or Single Drive Axle (air rocker switch occupies the space of one gauge)		
1.24	Gusseted Cam Brackets, Drive Axle(s)		
1.25	SBM Valve Full trucks require a spring brake modulation (SBM) system for emergency braking application. This system requires an SBM valve and a relay valve with spring brakes on the rear axles. The SBM valve allows the foot valve to operate the rear axle spring brakes if a failure exists in the rear air system.		
1.26	Single Drive Axle		
1.27	Anti-Lock Braking System (ABS) 4S4M ABS-6 Includes air braking system.		
1.28	Bendix Air Cam Rear Drum Brakes 16.5x7 Includes Automatic Slack Adjusters & Outboard Mounted Brake Drums.		
1.29	Ratio 4.10 Rear Axle		
1.30	Reyco 79KB Multi-Leaf 23,000lb		

**City of Knoxville  
Fleet Services  
4WD Heavy Equipment Service Truck**

Item Number	Description	Meet Specification?	Description/ Deviation
1.31	PACCAR PX-7 325@2400 GOV@2600 750@1800 (2018 Emissions) Includes alum flywheel housing, cruise control, and J1939 provisions (provides an interface point for the Electronic Service Analysis-ESA and other PACCAR approved diagnostic tools).		
1.32	Additional specifications: 120..Standard Maximum Speed Limit [LSL] 0....Expiration Distance 120..Hard Maximum Speed Limit 65...Maximum Accelerator Pedal Vehicle Speed 0....Accelerator Lower Droop 65...Maximum Cruise Speed 0....Cruise Control Lower Droop 252..Reserve Speed Function Reset Distance 0....Maximum Cycle Distance 10...Maximum Active Distance 0....Reserve Speed Limit Offset YES...Engine Protection Shutdown NO...Gear Down Protection 1400.Max PTO Speed NO...Cruise Control Auto Resume NO...Auto Engine Brake in Cruise 0....Expiration Distance YES..Enable Idle Shutdown Park Brake Set 5....Timer Setting YES..Enable Impending Shutdown Warning 60...Timer For Impending Shutdown Warning 35...Engine Load Threshold YES...Idle Shutdown Manual Overrule YES..Enable Hot Ambient Automatic Overrule 40...Low Ambient Temperature Threshold 60...Intermediate Ambient Temperature Threshold 80...High Ambient Temperature Threshold Engine Idle Shutdown Timer Disabled Enable EIST Ambient Temp Overrule Eff EIST NA Expiration Miles		

**City of Knoxville  
Fleet Services  
4WD Heavy Equipment Service Truck**

Item Number	Description	Meet Specification?	Description/ Deviation
1.33	PACCAR 160 Amp Alternator, Brushed		
1.34	Immersion Type Block Heater 110-120V		
1.35	PACCAR 12V Starter		
1.36	Two (2) 12V AGM Dual Purpose Batt 1400 CCA		
1.37	2-Speed Fan Clutch For Frequent Start/Stops		
1.38	18.7 CFM Air Compressor furnished on engine. Teflon lined stainless steel braided compressor discharge line.		
1.39	Spin-on Fuel Filter/Water Separator, heated Frame Mounted. Davco or Raycore brand. (In addition to the fuel filter supplied with the engine.)		
1.40	Engine Protection Shutdown – Includes oil pressure, oil temp, coolant temp, and intake manifold temp		
1.41	High Efficiency Cooling System. Low coolant level sensor warns of low coolant condition to prevent engine damage.		
1.42	Radial Seal, Dry Type Air Cleaner, Frontal Air Intake.		
1.43	Exhaust Single RH Side of Cab DPF/SCR RH under cab.		
1.44	Exhaust discharge under chassis.		
1.45	Allison 3000 RDS-P Transmission, Gen 5		
1.46	1710 HD Driveline Without Midship Bearing		
1.47	Allison 5-Speed Configuration, Close Ratio Gears		
1.48	Allison FuelSense Not Desired		
1.49	Dash Mounted Push Button Shifter		
1.50	Marmon-Herrington RTC-60 Transfer Case		
1.51	Bendix AD-IS Air Dryer with Heater		
1.52	Berg Pull Cord Drain Valves – All air tanks		
1.53	Nylon Chassis Hose		
1.54	Stainless or Aluminum Air Tanks		
1.55	High Mount Air Tanks BOC/BOS Where Possible		
1.56	Clear Outside Frame of All Air System Components LH BOC and RH BOC		
1.57	Air system designed for trailers – both yellow and red valves in dash		

**City of Knoxville  
Fleet Services  
4WD Heavy Equipment Service Truck**

Item Number	Description	Meet Specification?	Description/ Deviation
1.58	Tires & Wheels - FF: YO 14PLY 295/75R22.5 RY023 Dia. = 40.2 inches; SLR = 18.7 inches RR: YO 16PLY 11R22.5 MY507 Dia.= 42.1 inches; SLR= 19.7 inches Code-rear Tire Qty 04		
1.59	FF: Accur Stl Armor 50408PK 22.5x8.25 Steel Wheels painted white RR: Accur Stl Armor 50408PK 22.5x8.25Steel Wheels painted white		
1.60	26in Aluminum 70 Gallon Fuel Tank LH U/C - Includes steps for cab access.		
1.61	Polish All fuel/Hydraulic Tank Straps Does not apply to Rectangular DEF Tank Straps.		
1.62	Locking Fuel Tank Cap(s)		
1.63	DEF Tank Mounted LH BOC - Standard DEF To Fuel Ratio 2:1 Or Greater. DEF Tank Small		
1.64	Aluminum Space Saver Battery Box RH BOC Battery access from side.		
1.65	Aftertreatment RH U/C Alum Non Slip Cab Entry		
1.66	Aluminum Channel Bumper Stainless Steel Clad with Two Tow Pins		
1.67	Alum Cab 108in BBC Metton Hood w/Bright Crown Includes view window RH door and convex mirror over RH door.		
1.68	Severe Service Cab Package #1 – battery disconnect switch mounted in floor next to driver’s seat. Includes Aluminum side skins, aluminum rear skin, steel windshield mask, steel firewall, and steel front floor sheet on all cabs, and additional reinforcement structure on the back wall of the day cab.		
1.69	UltraRide Driver Seat - Air Ride, High Back, Vinyl		
1.70	UltraRide Driver Passenger Seat –Air Ride, High Back, Vinyl		
1.71	Adjustable Steering Column – Tilt/Telescope		
1.72	Front bumper to be heavy gauge steel winch bumper rated for 35k-40k hydraulic winch		



**City of Knoxville**  
**Fleet Services**  
**4WD Heavy Equipment Service Truck**

Item Number	Description	Meet Specification?	Description/ Deviation
1.73	Interior Grey/Black - charcoal instrument panels, glare-resistant gray dash, (2) power ports, molded door pads w/in-mold color, gray molded back wall, 18" 4-spoke soft-touch steering wheel, soft-touch steering column cover, power passenger window, extruded rubber floor covering, header-mounted dome light, foot well lighting, integrated "dead pedal", (4) inside entry grab handles, (2) sunvisors, (2) cup holders and map bin in dash. SAFETY ORANGE SEATBELTS.		
1.74	Extended Rear Window ipo Std Window-Day Cab		
1.75	Day Cab Rear Window		
1.76	One Piece Curved Windshield		
1.77	Combo Fresh Air Heater/Air Conditioner With radiator mounted condenser, dedicated side window defrosters, Bi-Level Heater/Defroster Controls, 54,500 BTU/HR, and silicone heater hoses.		
1.78	Stainless Steel Mirrors 7x16 with Heat Element - Convex 8 Inch SS Mirror		
1.79	Outside Sunvisor		
1.80	Air Horn Roof Mounted		
1.81	ConcertClass Without CD, Includes BT Phone and Audio, AM/FM, WB, USB and MP3. Standard speakers.		
1.82	Electric Windshield Wipers With Intermittent Feature.		
1.83	Triangle Reflector Kit Shipped Loose		
1.84	5lb 3A:40bc Fire Extinguisher Cab Mounted		
1.85	Main Transmission Oil Temp Gauge Located in Driver Info Display		
1.86	Air Restriction Indicator Mounted on air cleaner or intake piping.		
1.87	Main Instrumentation Panel, Graphics Display with speedometer, tripodometer, tach w/hourmeter, outside air temp display, voltmeter, engine oil pressure, engine coolant temp, fuel level, primary and secondary air pressure gauges; standard warning light package: high water temp, low oil pressure with warning lights w/audible alarms, high beam, turn signal, low fuel, parking brake, ice warning indicators; seat belt reminder; rocker switches w/ long-life LED indicators; multi-function turn stalk with flash-to-pass feature (night mode flashes headlights and marker lights; day mode flashes headlights only), intermittent windshield wiper and headlamp beam control.		

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**4WD Heavy Equipment Service Truck**

1.88	Headlights Composite Fender Mounted Integral Park, Turn, and Side Marker		
1.89	(5) Marker Lights, Aero LED		
1.90	Yellow/white strobe light stick installed in grill		
1.91	Whelen M6V2A amber/white LED warning lights installed in rear bumper. LED floodlight.		
1.92	Full width amber/white light bar mounted on cab with side work lights and traffic control.		
1.93	On each side of vehicle, small yellow LED button strobe mid mounted in bed for side visibility.		
1.94	Emergency lighting controls in cab utilizing factory auxiliary rocker switches.		
1.95	All emergency lighting shall be on one (1) 150 amp resettable circuit breaker mounted in battery box.		
1.96	All lighting to be LED when available.		
1.97	Color: Axalta Two Stage - Cab/Hood Base Coat/Clear Coat – WHITE for hood top, cab roof, fender. Black frame.		
1.98	Backup Alarm		
1.99	Backup camera installed in cab		
1.100	Exterior grab handles on both sides on the cab.		
1.101	Minimum of 6 auxiliary upfitter switches.		

2. MINIMUM SPECIFICATIONS – Titan 50/120CA Body with Std. Right Side Crane Model HC-8 Series

Item Number	Description	Meet Specification?	Description/ Deviation
<b>General</b>			
2.1	All Units shall be in current production and current year model, the manufacturer's printed literature including all specifications shall be submitted with the bid.		
2.2	Units shall meet all Governmental Regulations, DOT, EPA etc. Shall be delivered with current DOT Inspection sticker and paperwork.		
<b>Specifications</b>			
2.3	Shelving package with 13 adjustable shelves, 1 shelf with parts dividers, 1 shelf with book dividers, 3 material books.		

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Item Number	Description	Meet Specification?	Description/ Deviation
2.4	All wiring used outside of chassis shall be high quality SLX crosslink wire with oil resistant coating. All wiring must be in wire loom. OEM upfitter switches should be used when applicable.		
2.5	All wiring splices will be either soldered and heat shrunk or heat shrink butt connectors. <u>Electrical tape and standard butt connectors or scotchlocks will NOT be accepted.</u>		
2.6	Hydraulic in/out, up/down outriggers for curb-side crane		
2.7	Rear Bumper: 24" workbench bumper with vise plate, storage area, and integrated step. Air brake glad hands mounted on rear bumper in recessed box with door, left of hitch.		
2.8	Reinforced bumper overlay		
2.9	Additional vise plate for bumper with Wilton 5" vise mounted to plate.		
2.10	Trailer wiring socket 7 way spade. Second plug 7 round truck.		
2.11	Receiver hitch assembly for Titan crane body, installed		
2.12	Interior lighting: On/off switch in cab, shall automatically come on when parking lights come on		
2.13	Interior rope lighting in all compartments with master locking system for compartments		
2.14	Salvage system, single 60 gal tank, integrated		
2.15	36-gallon hydraulic bulkhead reservoir to fit inside 50" wide cargo area with return filter and sight gauge		
2.16	Hydraulic Oil Cooler Kit		
2.17	Hydraulics installed to operate hydraulic crane, hydraulic outriggers, and air compressor (Titan 50 package). Hydraulic quick connect fittings at rear bumper for trailers with City of Knoxville specs.		
2.18	Hydraulic crane to be installed in right rear corner		
2.19	Backup safety alarm		
2.20	PTO installation for automatic transmission		
2.21	Spring reinforcement		
2.22	Speed control: Relay box assembly and power switch control panel assembly		
2.23	Hydraulic quick connect (specified by City) mounted		

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Item Number	Description	Meet Specification?	Description/ Deviation
2.24	Paint: Auto crane white painted on both the inside and outside of the body		
2.25	Three oxygen/acetylene bottle holders with hose holder in rear passenger side compartment and mid-compartment holder for 2 bottles		
2.26	Passenger side front compartment to have rear access door to welder (to be discussed further with winning bidder)		
2.27	Aluminum drawer units with one-hand latching system, 250lb capacity drawer slides, welded corners for stability, 5 year warranty		
2.28	Standard bulkhead		
2.29	Front driver side compartment shall have a high quality, eight (8) drawer tool box mounted in the compartment		
2.30	3500w power inverter mounted on back wall above tool box		
2.31	Body color to be Auto-Crane white painted inside and outside of body including inside of compartments		
2.32	Bedliner to be Line-X or equivalent and shall coat the body floor, sides, compartment tops, front of body and workbench bumper.		
2.33	City of Knoxville provided welder shall be installed in center of bed as far forward as possible. Welder controls to be accessed from inside front compartment.		
<b>Specifications for HC-8 Series Crane – 49,000 ft. lb. Capacity</b>			
2.34	Power boom elevation, power hoist, power rotation, and power extension to 20'		
2.35	Rotation Speed Control (RSC)		
2.36	55 ft/min single line speed		
2.37	8 GPM @ 2750 psi hydraulic requirement		
2.38	95 ft. of 3/8" 14,700 lbs. single line break strength aircraft quality cable		
2.39	370 degree rotation		
2.40	Automatic overload protection for hoist up, boom extend and boom down functions		
2.41	Heavy-duty swivel block with latch		
2.42	-15 to 75 degree boom elevation		
2.43	Meets OSHA 1910.180 requirements and ANSI B30.5 safety standards		

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Item Number	Description	Meet Specification?	Description/ Deviation
2.44	Minimum of two year factory warranty		
2.45	Two (2) hose reels (3/8, 1/2)		
2.46	Wireless remote		
<b>Additional Equipment to be Installed</b>			
2.47	Braden HP35A Planetary Winch (or equal) (35,000lb) with two-speed gear motor mounted in front winch bumper. If alternate brand is bid, it MUST meet the same specifications as the listed winch.		
2.48	American Eagle (or equal) Rotary Series Hydraulic Drive (model 130R) Compressor. If alternate brand is bid, it MUST meet the same specifications as the listed compressor. Note: City of Knoxville provided welder shall be installed in the center of bed as far forward as possible. The compressor shall be installed behind the welder.		
2.49	Pole mounted LED work lights shall be mounted on front driver and passenger side corners of box.		

**3. MINIMUM SPECIFICATIONS – TRAINING**

Item Number	Description	Meet Specification?	Description/ Deviation
3.1	Minimum of eight (8) hours of operator orientation for safety, proper operation and operator daily maintenance.		
3.2	Minimum of eight (8) hours of technical and diagnostic orientation for mechanics/technicians.		
3.3	Training shall be conducted by a qualified Manufacturer's Representative at purchaser's location (Knoxville, Tennessee).		
3.4	Certificate of completion of orientation shall be provided for all operators who successfully complete the training.		
3.5	Winning bidder shall provide all diagnostic software. Software shall be PC based and able to be loaded on to City laptop. Software is to be the newest and most advanced version available. It shall include engine diagnostic software, body control diagnostic software, ABS diagnostic software. Any subscriptions to software shall be paid by winning bidder for a minimum of one year with the ability for the City to continue subscription. Any cables, USB interface, etc. required to use diagnostics shall also be provided.		

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4. DELIVERY

Item Number	Description	Meet Specification?	Description/ Deviation
4.1	Vehicle shall be delivered complete, fully serviced, inspected for safety and safe operation, and ready to perform the work for which they are being purchased, with no less than 1/4 tank of fuel.		
4.2	Vehicle shall be serviced, inspected, and delivered from the successful bidders nearest service facility. Factory direct deliveries are not acceptable.		
4.3	<u>Delivery Location:</u> City of Knoxville Fleet Services 1400 Loraine St. Knoxville, TN 37921		
4.4	<u>Contact Information:</u> Contact Mr. Jeff Johnston to schedule delivery date and time. (865-951-3620)	NA	
<b>Documentation</b>			
4.5	Winning bidder shall provide the manufacturer's statement of origin (MSO) when vehicle is delivered. The payment process will <b>not</b> begin until the vehicle is delivered, accepted and actual MSO has been received.		
4.6	The successful bidder shall supply two sets of operator's manuals, service manuals, parts books, wiring diagrams and applicable technical information for each machine purchased. CD versions are acceptable.		
4.7	Provide one "build sheet" per vehicle listing all parts used in assembling each vehicle. (If available)		
4.8	Provide manufacturer's on-line access to technical service bulletins, service information and recall notices throughout the service life of the vehicle.		
<b>Miscellaneous</b>			
4.9	No dealer emblems, decals, or other form of advertisement or identification shall be attached to the vehicle, including mudflaps		
4.10	Please state if a 12-month price lock would be honored to allow City of Knoxville to possibly purchase additional equipment.		